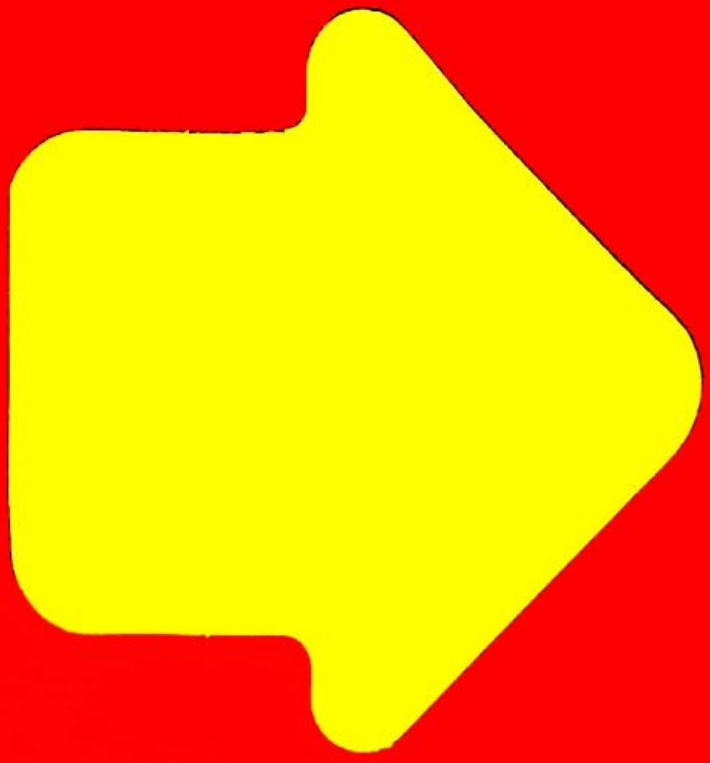
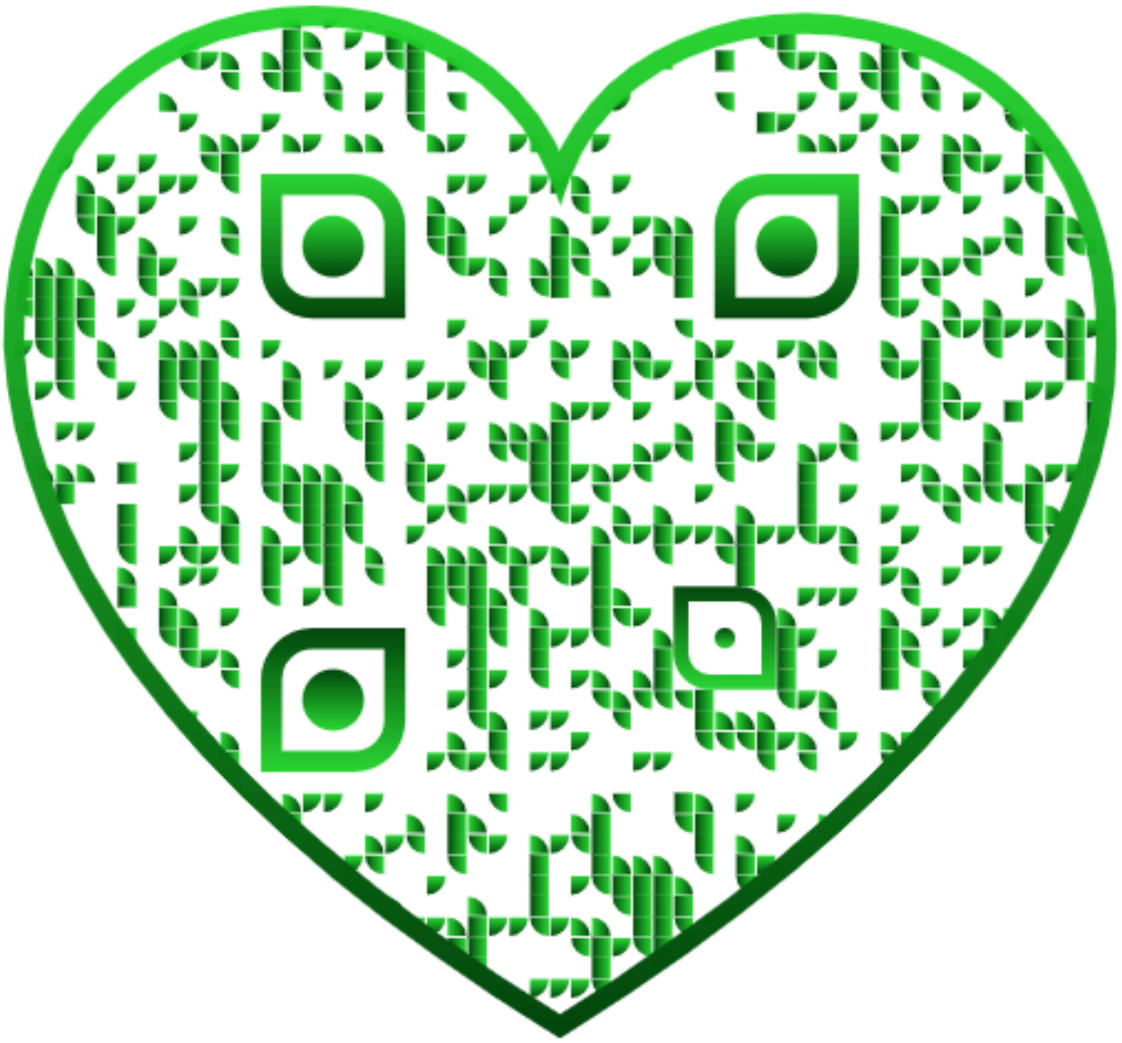
Done by:
Rehab AlRahabi



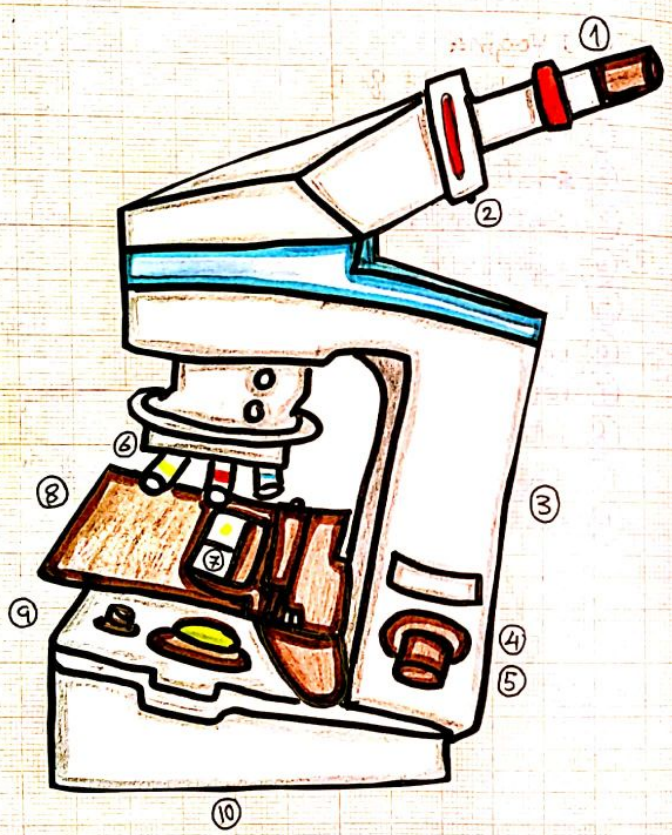
Histology Lab slaids

Scanned by CamScanner



موضوع الدرس: ..... التاريخ: / / 201م

Microscope



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

Microscope ^_^

① Eye lense of microscope.
② Eye lense of adjustment.
③ Arm of microscope.
④ Garse adjustment.
⑤ Fine adjustment.
⑥ Objective lense of microscope.
⑦ slaid clip.
⑧ Stage of microscope.
⑨ switch of ~ .
⑩ The base of ~ .
⑪ Condenser of ~ .
⑫ Diaphragm of ~ .

الواجب: .....

الجيل الجديد

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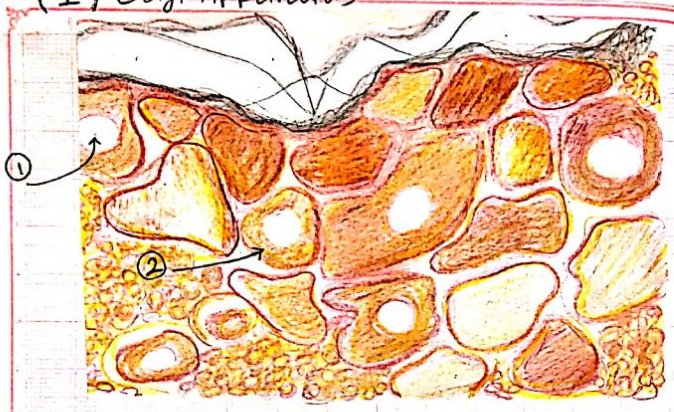
Cell & cell division

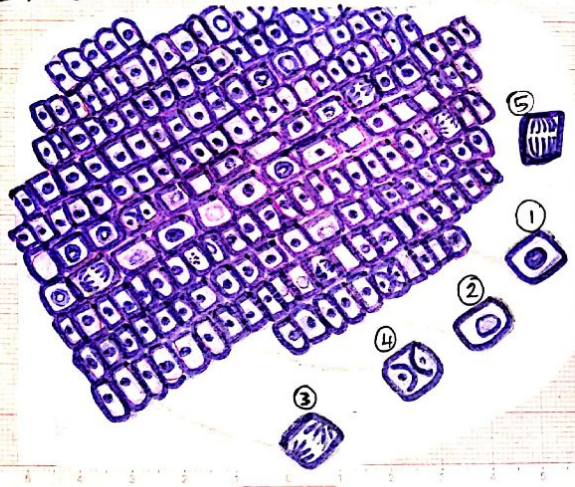
التاريخ: / / 201م

موضوع الدرس:

(I) Golgi Apparatus



(II) cell division



التاريخ: / / 201م

موضوع الدرس:

(I) Golgi Apparatus
- → In spinal ganglia
- → stained by silver stain

① Nucleus.
② Golgi Apparatus.

(II) cell division
① Interphase
② Prophase
③ Anaphase
④ Telophase
⑤ Metaphase

الواجب:

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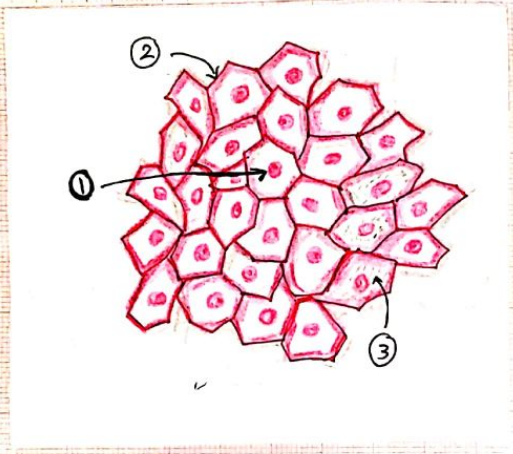
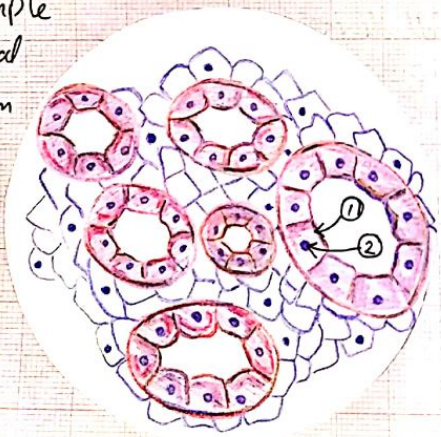
Epithelium Tissue

موضوع الدرس: ..... التاريخ: / / 201م

(I) simple squamous epithelium



(II) simple Cuboidal Epithelium



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(I) simple squamous epithelium
in lung's alveoli
stained by H & E.

① Flat oval nucleus
② Flat cell
③ cells filled with air.

(II) simple cuboidal epithelium
In kidney
stained by H & E

① cell membrane
② central rounded nucleus

الواجب: .....

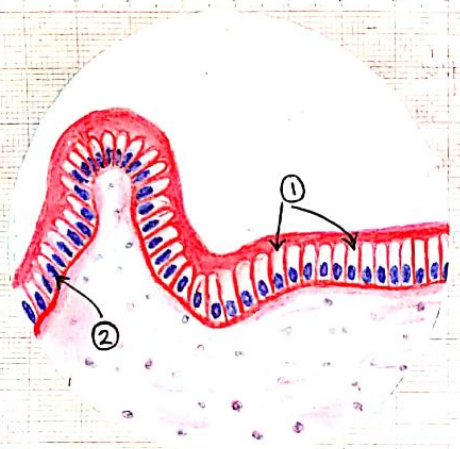
الجيل الجديد

Scanned by CamScanner

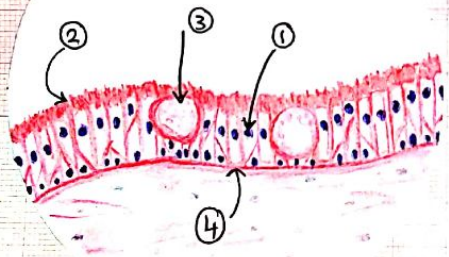
التاريخ: / / 201م

موضوع الدرس:

(III) Simple Columnar Epithelium



(IV) Pseudostratified columnar ciliated Epithelium



الجيل الجديد

التاريخ: / / 201م

موضوع الدرس:

(III) Simple Columnar Epithelium In Duodenum stained by H & E

① Columnar cells
② Basal oval nucleus

(IV) Pseudostratified Columnar ciliated Epithelium In Trachea stained by H & E

① Nucleus
② Cilia
③ Goblet cell
④ Basement Membrane

الواجب:

الجيل الجديد

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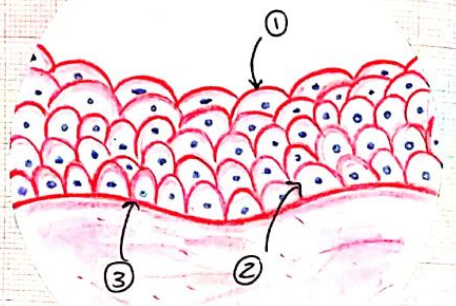
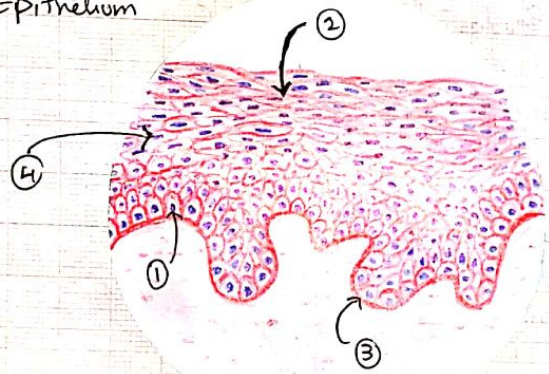
موضوع الدرس: ..... التاريخ: / / 201م

(V) Trazitional Epithelium



(VI) stratified squamous Non-Keratinised Epithelium



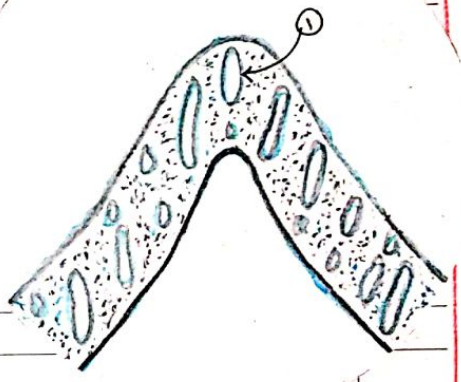
الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(V) Trazitional Epithelium
In urinary Bladder
stained by H & E
① squamous cell
② Cuboidal cell
③ Basement membrane

(VI) Stratified squamous non-keratinised Epithelium
In Essophagus
stained by H & E
① Basal cells
② squamous cells
③ Basement membrane
④ polygonal cells

VII



(VII) Tubulour simple glands
In larg intestain
stained by H & E
① simple Tubulour Glands

الواجب: .....

الجيل الجديد

Scanned by CamScanner

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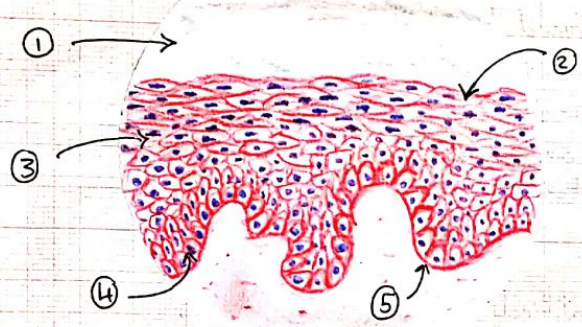
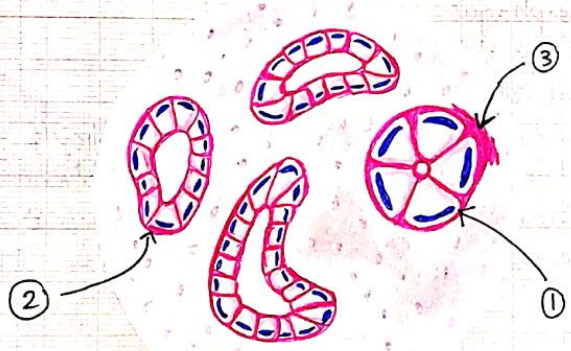
موضوع الدرس:

(VIII) Stratified Squamous Keratinized Epithelium



(IX) sweat gland



الجيل الجديد

التاريخ: / / 201م

موضوع الدرس:

(VIII) Stratified squamous Keratinized Epithelium

In skin

stained by H & E

① Keratine layer
② squamous cells
③ polygonal cells
④ Basall cell
⑤ Basement membran

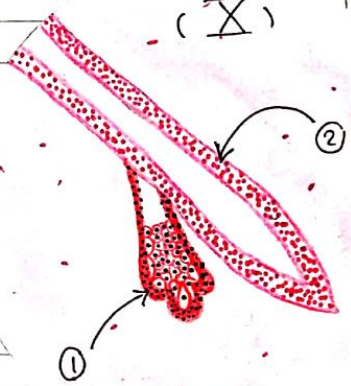
(IX) sweat Gland

In thick skin

stained by H&E

① sweat gland
② duct of sweat gland
③ Myo epithelium

(X)



(X) Sebaceous gland

In skin

stained by H&E

① sebaceous gland
② hair Follicle

الواجب:

الجيل الجديد

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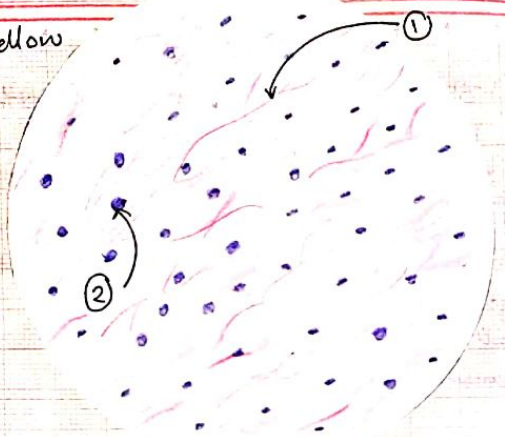
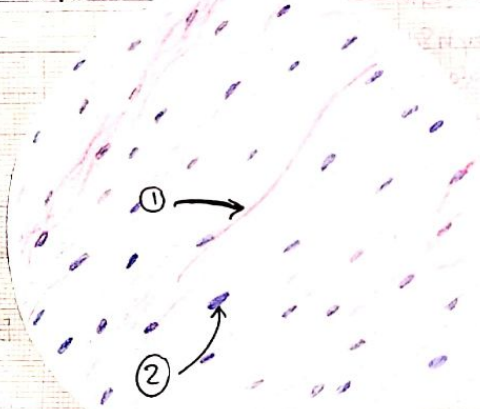
Connective Tissue

التاريخ: / / 201م ..... موضوع الدرس:

(I) yellow elastic C.T



(II) white fiberous C.T



(I) yellow elastic connective tissue
In Ligament
stained by H & E
① Branched fibers
② Rounded nucleus

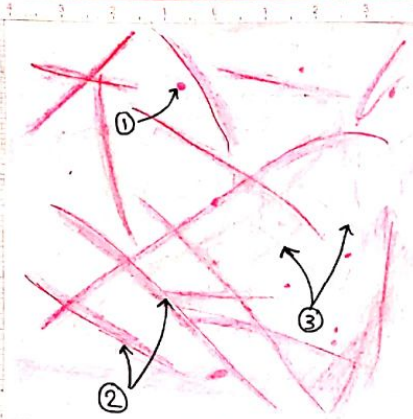
(II) white fiberous connective tissue
In tendon
stained by H & E
① Unbranched fiber
② Elongated nucleus.

الواجب: .....

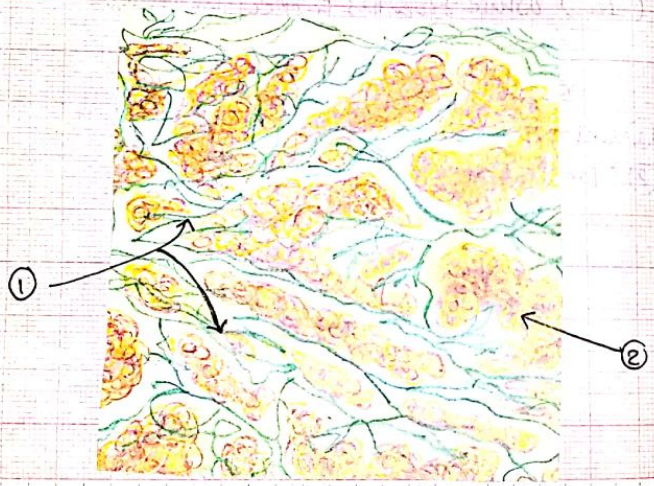
Scanned by CamScanner

التاريخ: / / 201م ..... موضوع الدرس: .....

(III) Areolar connective tissue



(IV) Reticular connective tissue



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(III) Areolar connective tissue
subcutaneous
stained by H&E
① Nuclei
② Collagen fibers
③ Elastic fibers

(IV) Reticular connective tissue
In lymphatics
stained by silver stain
① Reticular fibers
② Tissue organs (Lymphocyte)

الواجب: .....

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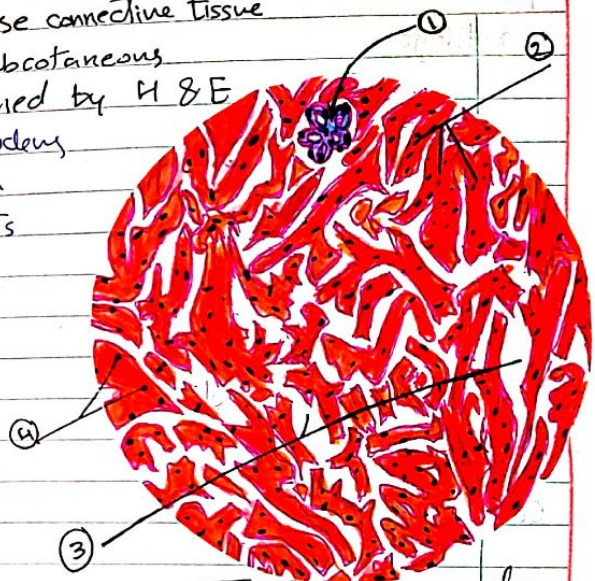
موضوع الدرس: ..... التاريخ: / / 201م

(V) Adipose connective tissue
subcutaneous
stained by H & E

① Peripheral nucleus & cytoplasm
② Fat droplets



(VII) Irregular connective tissue

① Glandular duct
② Bundle of collagen fibers
③ Ground substance
④ Nuclei of fibroblast

الواجب: .....

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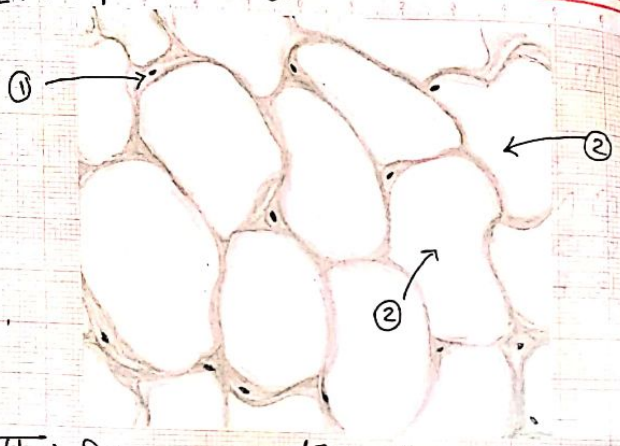
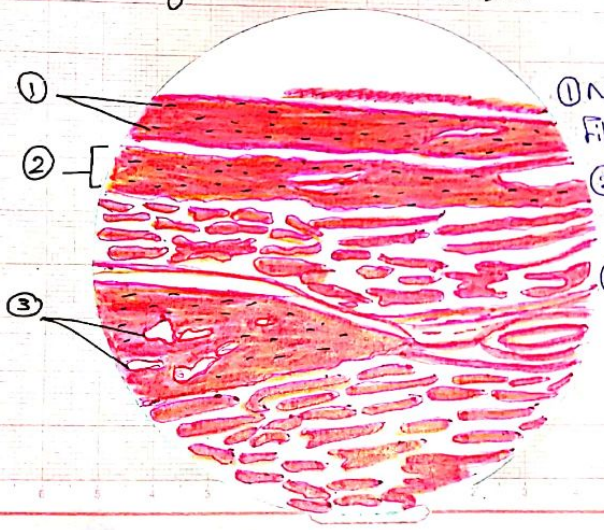
موضوع الدرس: ..... التاريخ: / / 201م

(V) Adipose connective tissue



(VI) Regular connective tissue



① Nuclei & Fibroblast
② Collagen Bundle
③ Arteriols

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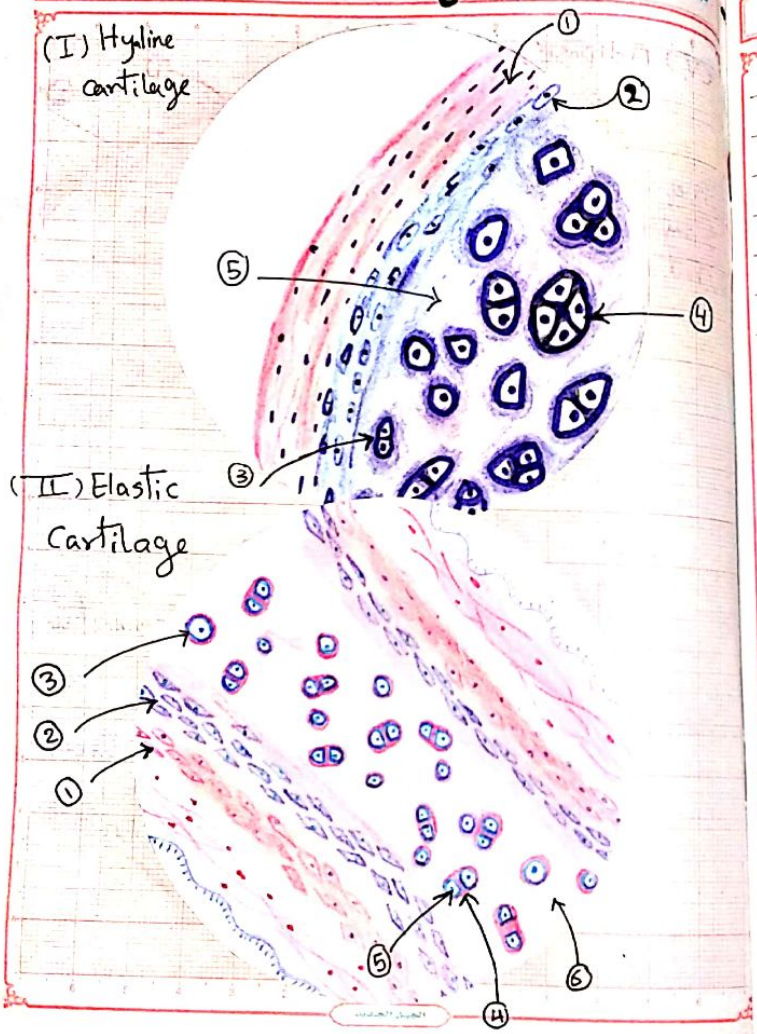
Cartilage



(I) Hyaline Cartilage
In Trachea
stained by H & E

① Perichondrium
② chondroblast
③ nest
④ chondrocyte
⑤ matrix "collagen"

(II) Elastic cartilage
In ear pinna
stained by H & E

① Perichondrium
② chondroblast
③ cell Lacuna
④ cell nest
⑤ chondrocyte
⑥ matrix "network of elastic fibers"

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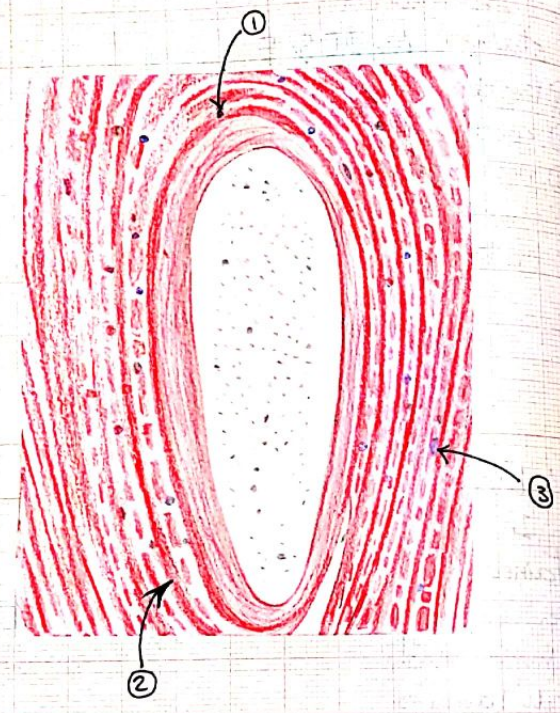
موضوع الدرس: ..... التاريخ: / / 201م

(III) White Fiberous Cantilage



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موضوع الدرس: ..... التاريخ: / / 201م

(III) White Fiberous Cantilage
In intervertebral disck
Staind by H & E

① chondro cyte
② Collagen Fibers
③ chondroblast

الواجب: .....

الجيل الجديد

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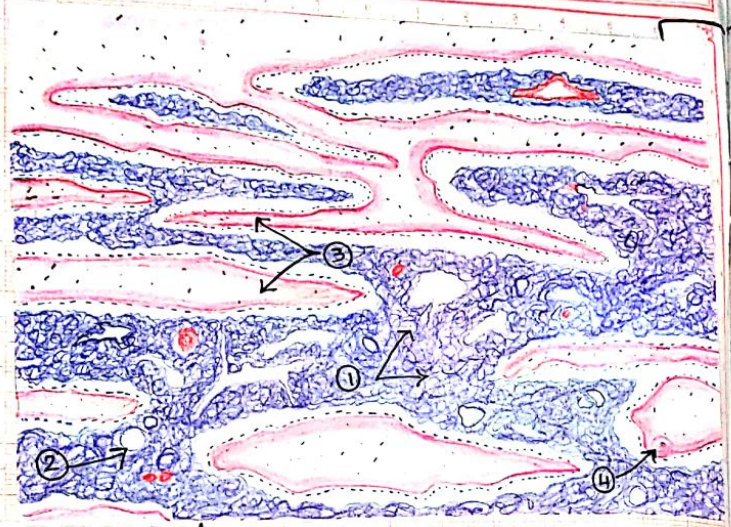
Bone

(I) Spongy Bone



(II) Compact Bone

stained by silver stain

1. Osteocyte
2. Haversian canal
3. Volkmann's canals
4. Interstitial lamellae
5. Concentric bone lamellae
6. Haversian system

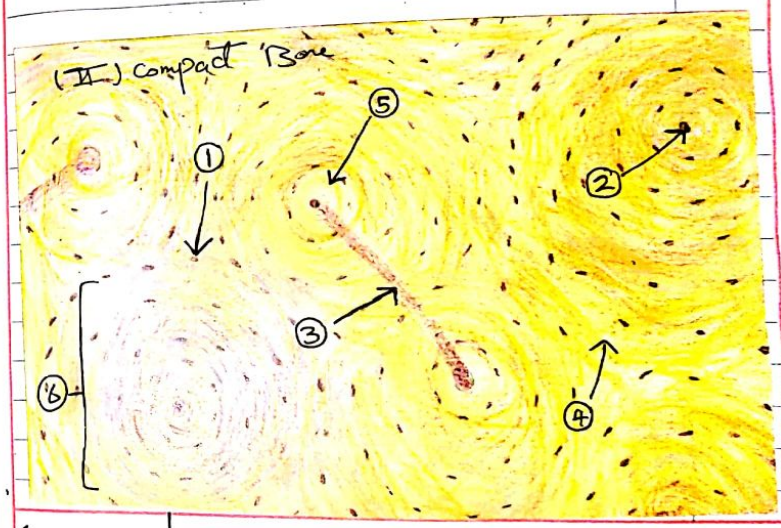
(I) Spony Bone

In head of femur

stained by special stain

1. Red Bone Marrow
2. Adipocyte
3. Trabiculae
4. osteocyte

(II) Compact Bone



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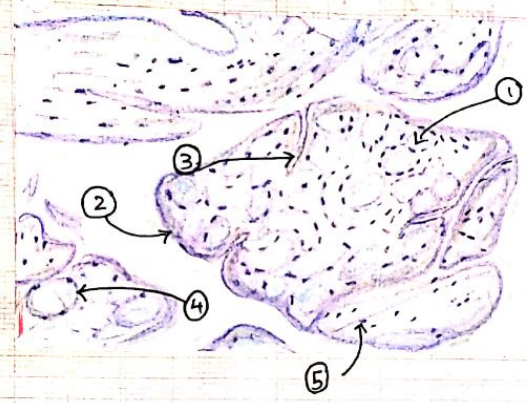
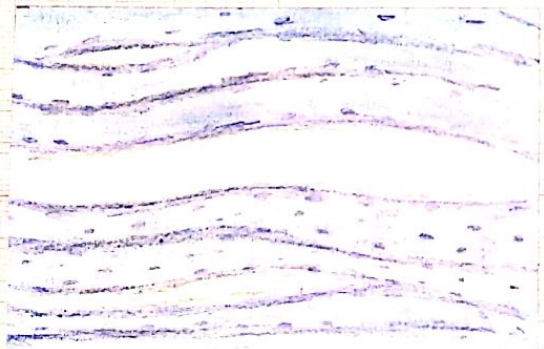
Muscular Tissue

موضوع الدرس: ..... التاريخ: / / 201م

(I) skeletal muscle (T.S)



(II) skeletal muscle (L.S)



(I) skeletal muscle (T.S)

1. Bundle of muscular fibers
2. epimysium
3. perimysium
4. endomysium
5. Nucleus

(II) skeletal muscle (L.S)
stained by special stain

الواجب: .....

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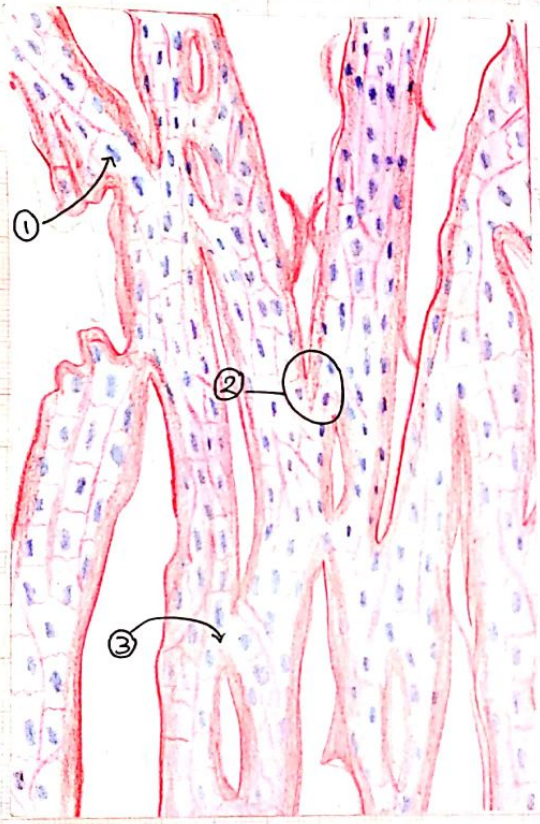
موضوع الدرس: ..... التاريخ: / / 201م

(III) Cardiac Muscle



موضوع الدرس: ..... التاريخ: / / 201م

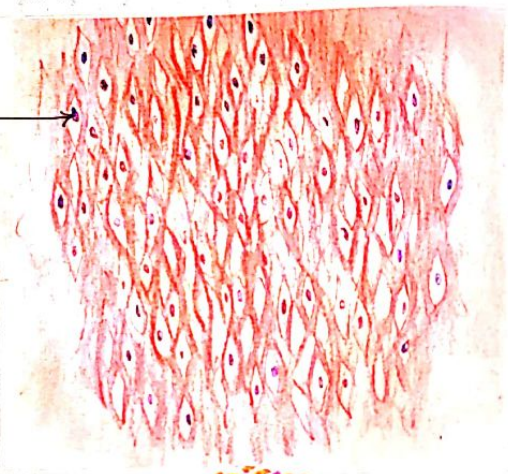
(III) Cardiac muscle.
In heart
stained by H & E
① Nucleus
② Branched Fiber
③ Intercalated disc.

الواجب: .....

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(IV) smooth muscle (T.S)



(V) Smooth muscle (L.S)

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موضوع الدرس: ..... التاريخ: / / 201م

(IV) smooth muscle
In viscera.
stained by H & E
① Nuclus
② muscle Fiber

الواجب: .....

الجيل الجديد

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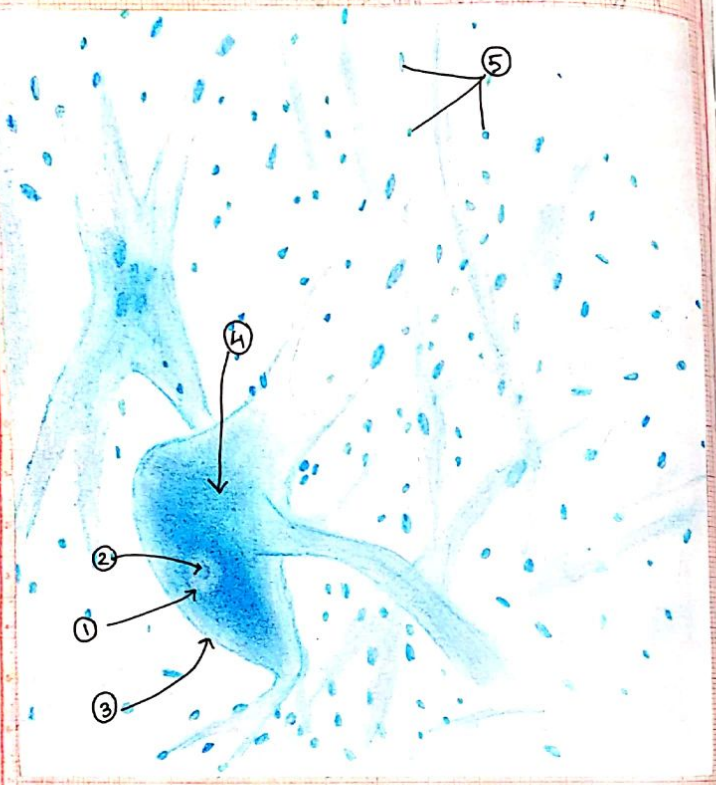
Nervous Tissue

موضوع الدرس: ..... تاريخ: / / 201م

(I) Nerve cell



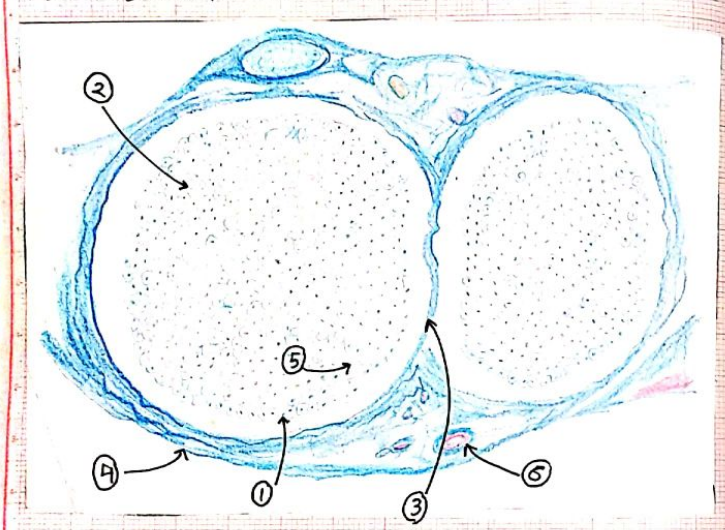
(I) Nerve cell
stained by Tuolidin blue
① Nucleus
② Nucleolus
③ nerve cell body
④ Nissal body
⑤ Neuroglia

الواجب: .....

Scanned by CamScanner

موضوع الدرس : ..... التاريخ : / / 201م

(II) Sciatic nerve (T.S)



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موضوع الدرس : ..... التاريخ : / / 201م

(II) sciatic nerve (T.S) stained by H & E

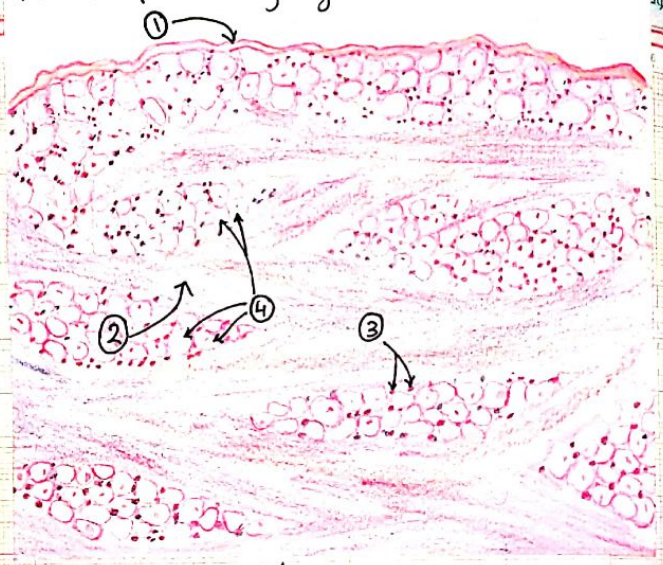
1. Axon
2. Myline sheath
3. Perineurium
4. Epineurium
5. Endoneurium
6. Blood vessels.

الواجب : .....

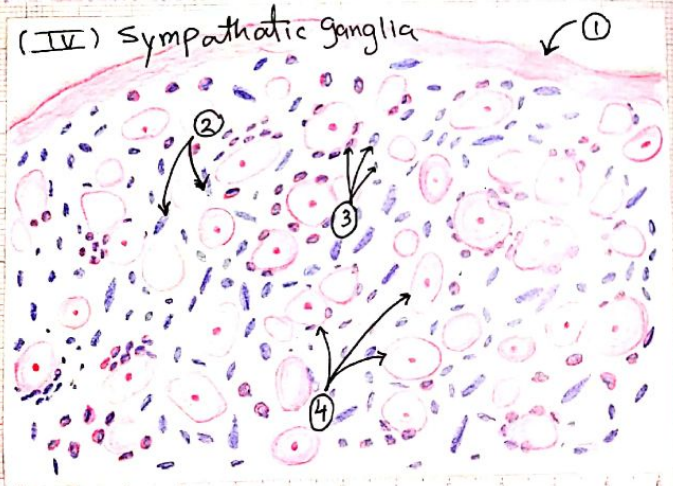
الجيل الجديد

Scanned by CamScanner

(III) spinal ganglia



(IV) sympathatic ganglia



موضوع الدرس: .....

التاريخ: / / 201م

(III) spinal ganglia
stained by H.E

1. Thin capsule
2. NERVE Fibers
3. Supporting cells
4. Nerve cells

(IV) sympathatic ganglia
stained by H.E

1. Thick capsule
2. Nerve Fibers
3. Supporting cells
4. Nerve cells

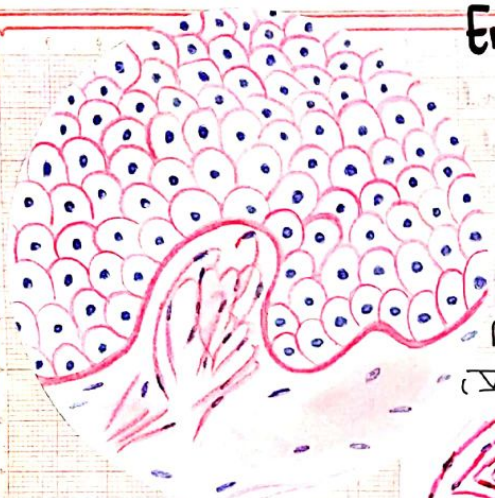
الواجب: .....

الجيل الجديد

Scanned by CamScanner

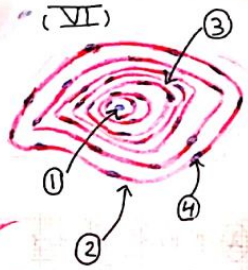
(V) Messener's Corpuscle

Nerve Endings

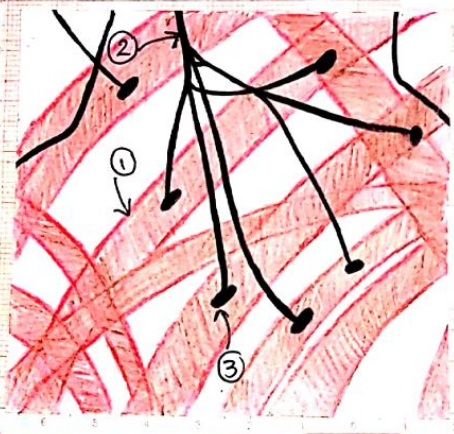


Pacinian corpuscle

(VI)



(VII) motor end plate



(V) Messener's corpuscle stained by H.E in skin

(VI) Pacinian corpuscle / In pancreas

1. Nerve bulb
2. CT capsule
3. Lamellae
4. Schwan cell

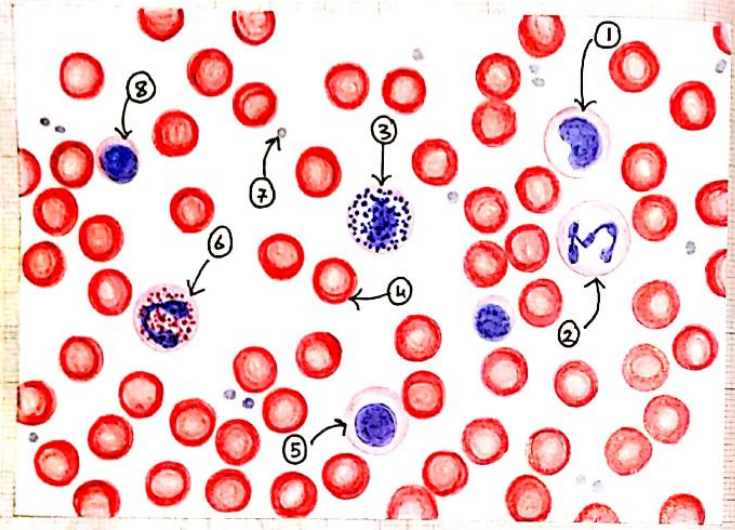
(VII) motor end plate by special stain

1. Muscle Fiber
2. Nerve end
3. Nerve Fiber

Scanned by CamScanner

Blood

(I) Blood smear



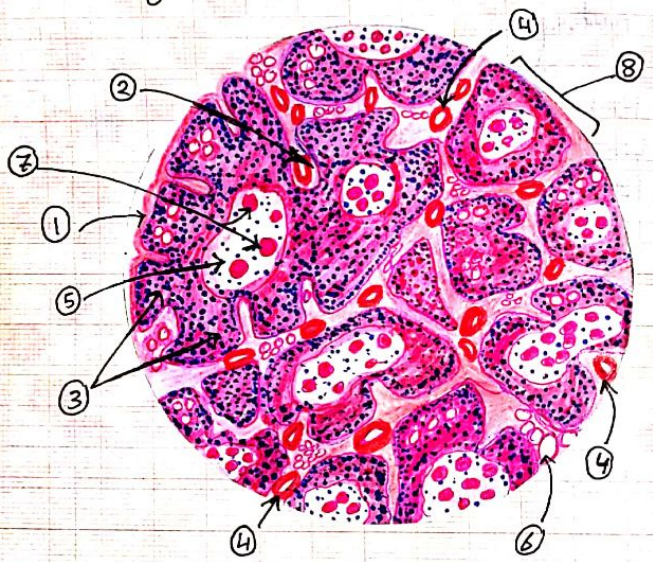
(I) Blood smear
stained by Leishman or Gemsa stain

1. Monocyte
2. Neutrophil
3. Basophil
4. Red blood cell
5. Large lymphocyte
6. Eosenophil
7. Platelet
8. small lymphocyte

Scanned by CamScanner

Lymphoid Tissue

(I) Thymus Gland



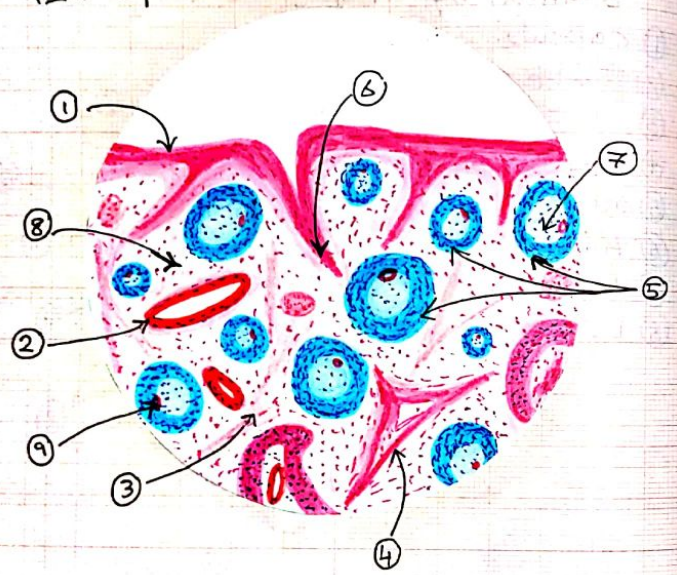
(I) Thymus Gland
stained by H & E

1. capsule.
2. Trabecula
3. Cortex
4. Blood vessels
5. Medulla
6. Adipose Cells
7. Hassall's corpuscles
8. Lobule

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(II) Spleen



موضوع الدرس: ..... التاريخ: / / 201م

(II) Spleen

stained by H&E.

1. Capsule
2. Trabecular artery
3. splenic cords in red pulp
4. Trabecular vein
5. Lymphatic nodule (white pulp)
6. Trabeculae
7. Germinal center
8. Red pulp
9. central artery.

الخلاصة:

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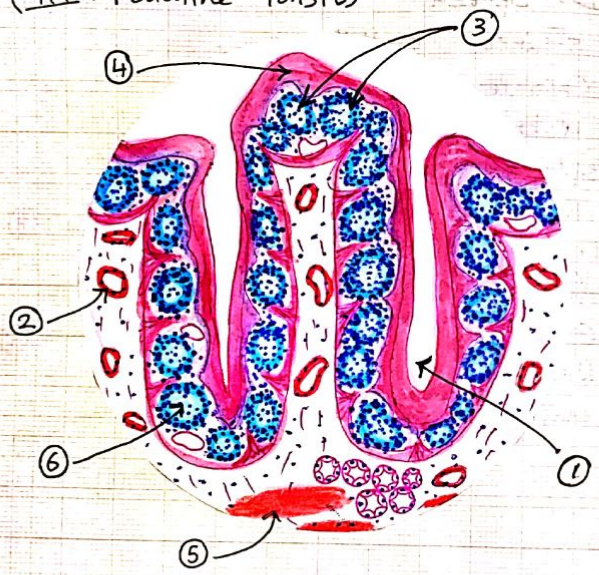
موضوع الدرس: ..... التاريخ: / / 201م

(III) Palatine Tonsils



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(III) Palatine Tonsils stained by H & E.

1. Tonsilar crypts
2. Blood vessel
3. Lymphatic nodule
4. stratified squamous non-keratinized Epi.
5. skeletal muscles
6. Germenal centers

الواجب: .....

الجيل الجديد

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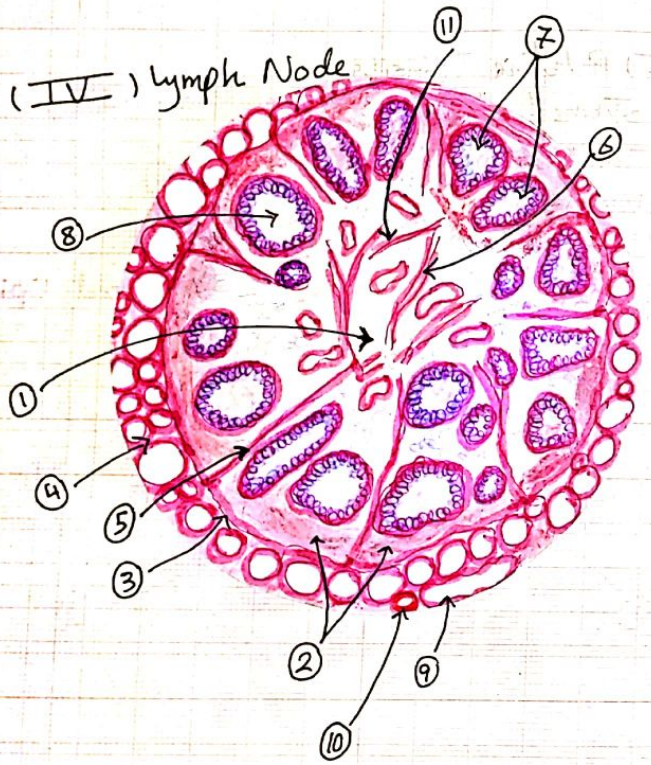
موضوع الدرس: ..... التاريخ: / / 201م

(IV) Lymph Node



موضوع الدرس: ..... التاريخ: / / 201م

(IV) Lymph Node
stained by H & E

1. Medulla.
2. Cortex.
3. Capsule.
4. Adipose Tissue.
5. Trabecula.
6. Medullary cords.
7. Lymphatic nodules.
8. Germenal center.
9. vein.
10. Artery.
11. Medullary sinus.

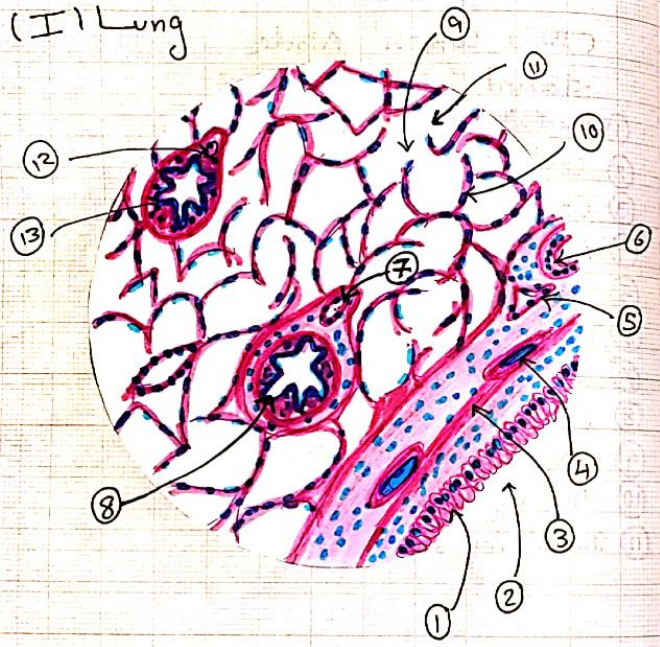
الواجب:

Scanned by CamScanner

Respiratory System

موضوع الدرس: 201م

(I) Lung



التاريخ: / / 201م

موضوع الدرس: .....

(I) Lung
stained by H & E.

1. Pseudostratified ciliated columnar Epi.
2. Intrapulmonary bronchus
3. Smooth muscle
4. Cartilage
5. bronchial vein
6. pulmonary Artery
7. " Arteriol
8. Terminal bronchiol
9. alveolar sac
10. alveolus
11. alveolar duct
12. Pulmonary arteriol
13. respiratory bronchiol

الواجب: .....

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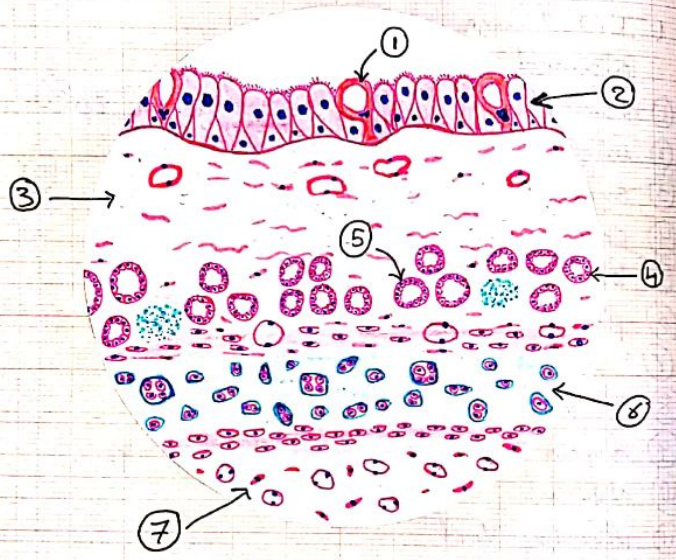
موضوع الدرس: ..... التاريخ: / / 201م

(II) Trachea



موضوع الدرس: ..... التاريخ: / / 201م

(II) Trachea
stained by H & E

1. Goblet cell
2. Pseudostratified ciliated columnar epi
3. Lamina propria
4. serous acinus
5. mucous acinus
6. Trachial cartilage
7. Adventitia

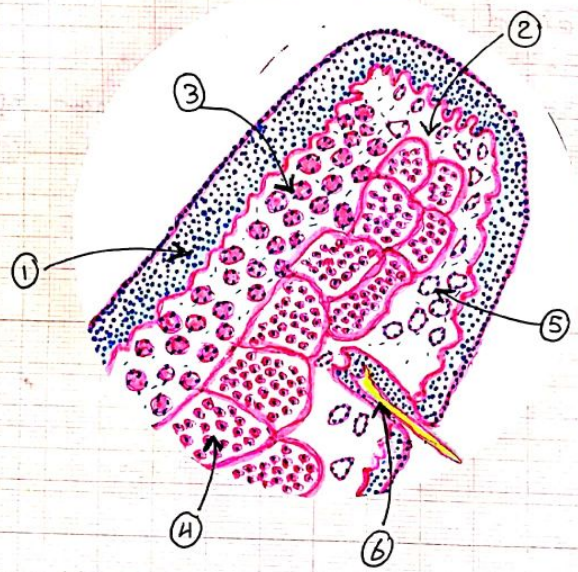
الواجب:

Scanned by CamScanner

Digestive system

موضوع الدرس : ..... التاريخ : / / 201م

(I) Lip



(I) Lip
stained by H & E

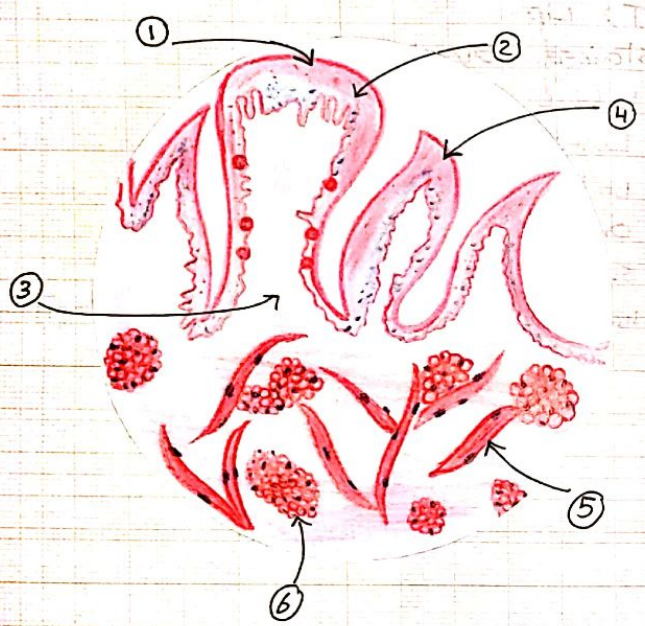
1. Labial Epithelium.
2. Lamina propria.
3. Labial glands.
4. orbicularis oris.
5. sweat gland.
6. hair Follicle.

الواجب : .....

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(II) Tongue (Fungiform and Filliform Papilla)



موضوع الدرس: ..... التاريخ: / / 201م

(II) Tongue stained by H & E.

① Fungiform papilla.
② stratified squamous epi.
③ Lamina propria.
④ Filliform papilla.
⑤ Longitudinal muscle.
⑥ Tranzverse muscle.

الواجب:

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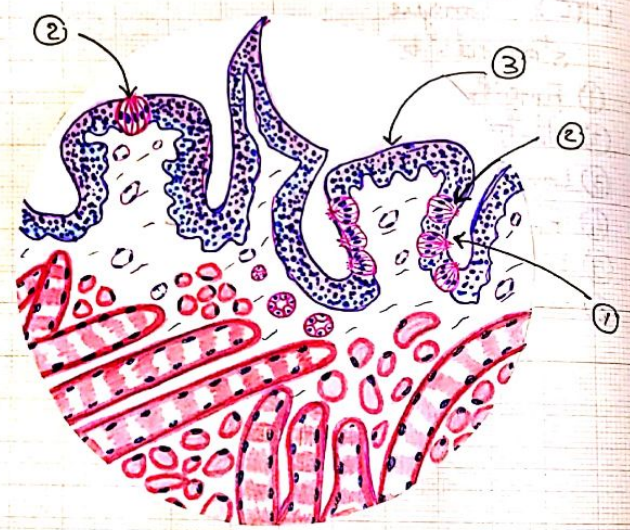
موضوع الدرس: ..... التاريخ: / / 2021م

(III) Toungue (circumvallate papilla)



موضوع الدرس: ..... التاريخ: / / 2021م

(III) Tongue

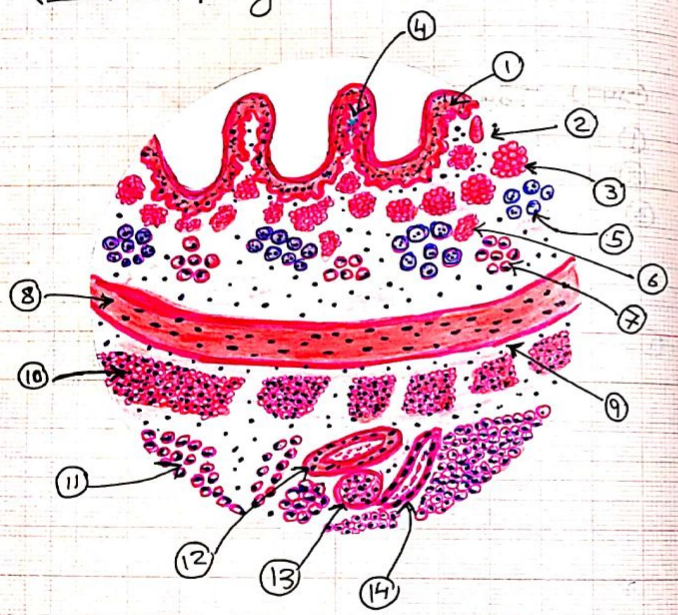
① Furrow.
② Teste bud.
③ circumvallate papilla

الواجب: .....

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(IV) Esophagus



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(IV) Esophagus
stained by H & E

1. stratified squamous epi.
2. Lamina propria
3. muscularis mucosa "smooth muscles"
4. small lymphatic nodule
5. Esophagus glands
6. excretory gland.
7. Adipose cells
8. Inner circular muscular layer
9. C.T
10. Outer Longitudinal Layer "muscular"
11. Adipose Tissue
12. Artery
13. vein
14. Nerve

الواجبة: .....

الجيل الجديد

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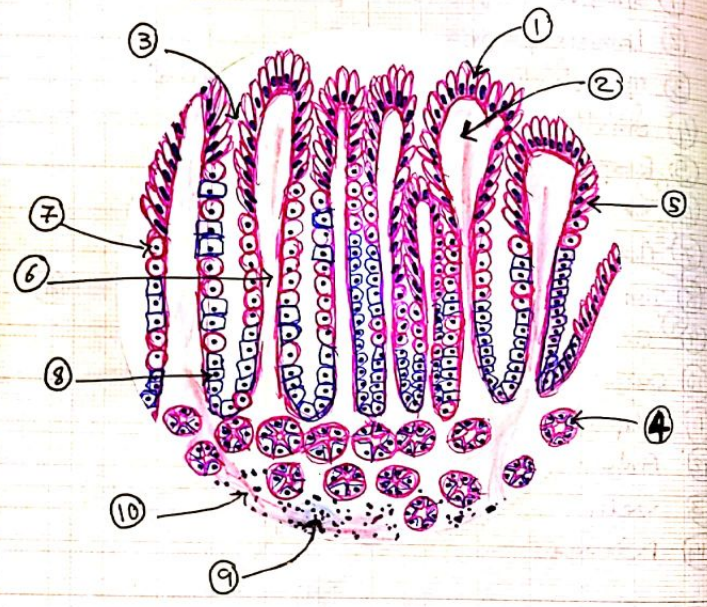
التاريخ: / / 201م ..... موضوع الدرس: .....

(I) Fundus of stomach



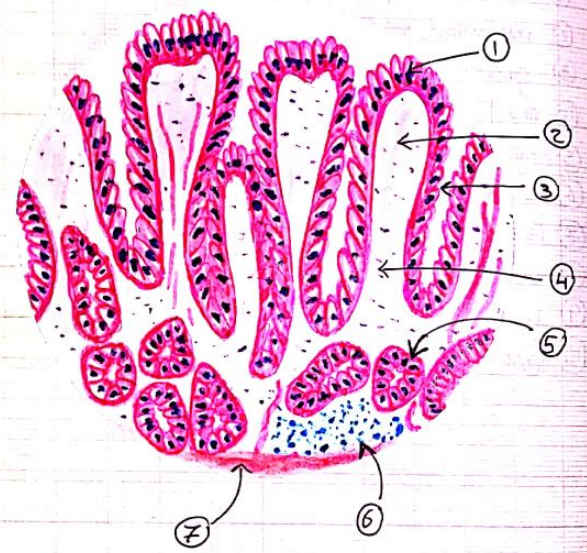
التاريخ: / / 201م ..... موضوع الدرس: .....

(I) Fundus of stomach stained by H & E

1. surface Epi.
2. mucusal ridges
3. gastric pits
4. gastric glands
5. mucusal neck cells
6. Lamina propria
7. Parietal cell
8. cheif cell
9. lymphatic nodule
10. muscularis mucosa.

Scanned by CamScanner

(VI) Pylours of stomach

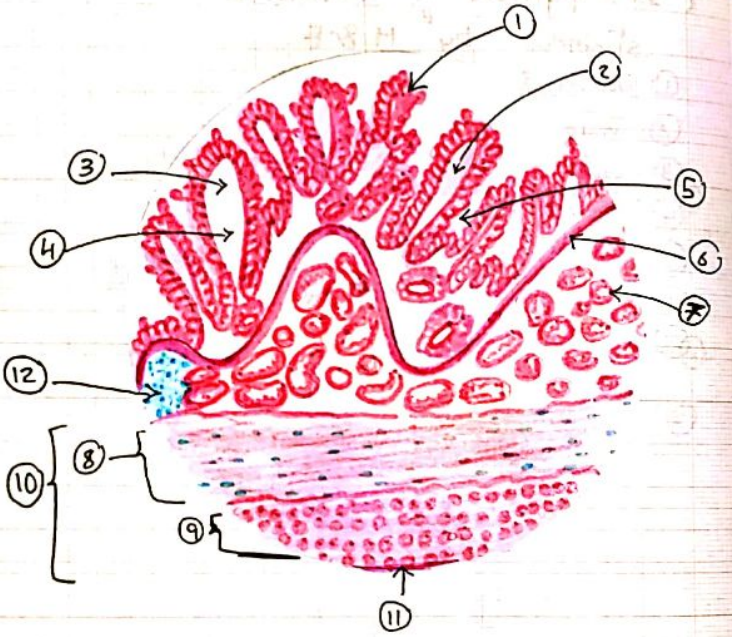


(VI) Pylours of stomach
stained by H & E

1. mucosal surface cell
2. mucosal ridge
3. gastric pit
4. Lamina Propria
5. Pyloric gland
6. Lymphatic Nodule
7. muscularis musosa.

Scanned by CamScanner

(VII) Duadenum

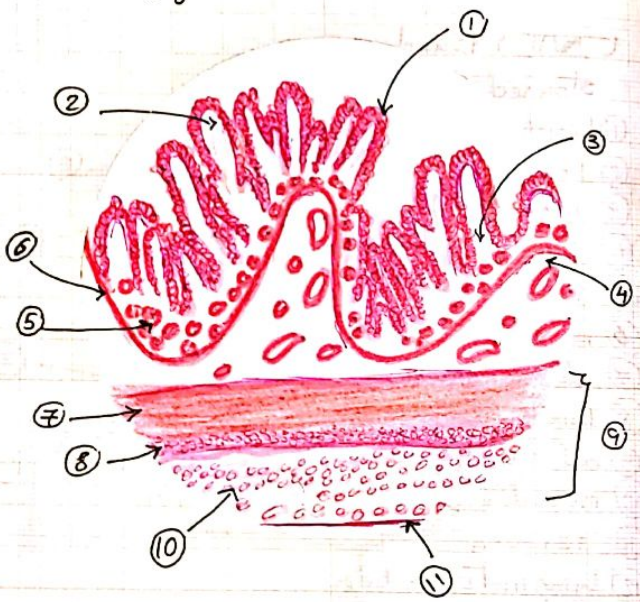


(VII) Duadenum
stained by H & E

1. Lining Epi
2. Lamin propria
3. villus
4. Lacteals
5. crypts of liebertuken
6. muscularis ... mucosa
7. duadenal gland
8. Inner circular layer
9. outer longitudnal layer
10. muscularis externa
11. serousa
12. Lymphatic nodule.

Scanned by CamScanner

(VIII) Jejunum



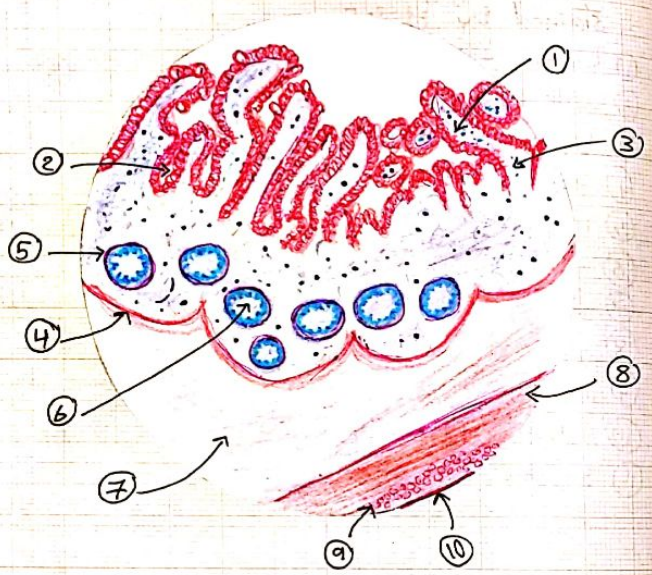
(VIII) Jejunum
stained by H & E

1. Lining Epi.
2. Villus
3. Lamina propria
4. submucosa
5. intestinal gland
6. muscularis mucosa
7. inner circular layer.
8. outer longitudnal Layer.
9. muscularis externa
10. Adipose Tissue
11. Serosa

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(IX) Ileum



موضوع الدرس: ..... التاريخ: / / 201م

(IX) Ileum
stained by H&E

1. Villus.
2. crypt of Lieberkuhn.
3. Lamina propria.
4. muscularis mucosa.
5. Lymphatic nodule.
6. Germinal center.
7. submucosa.
8. inner circular Layer
9. outer longitudinal Layer
10. serousa.

الواجب: .....

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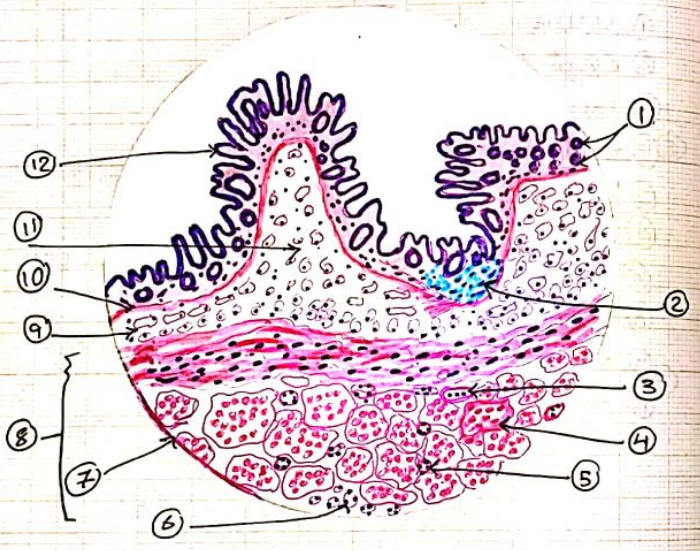
موضوع الدرس : ..... التاريخ : / / 201م

(X) Larg intestine (colon)



موضوع الدرس : ..... التاريخ : / / 201م

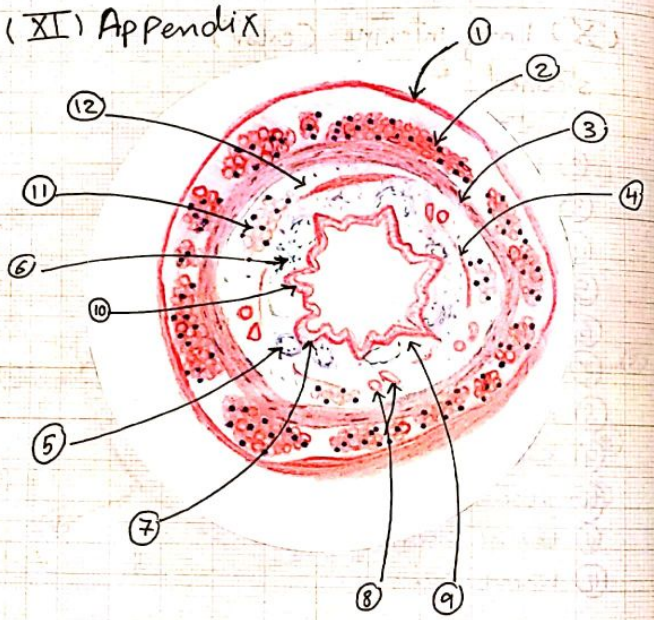
(X) Larg Intestine (colon)
stained by H & E

1. Intestinal gland
2. lymphatic nodule
3. myentric plexus
4. Taenia coli
5. Blood vessels
6. Adipose Tissue
7. serosa
8. muscularis externa
9. submucosa
10. muscularis mucosa
11. Lamina propria
12. Lining Epi.

الواجب : .....

Scanned by CamScanner

(XI) Appendix



(XI) Appendix
stained by H & E

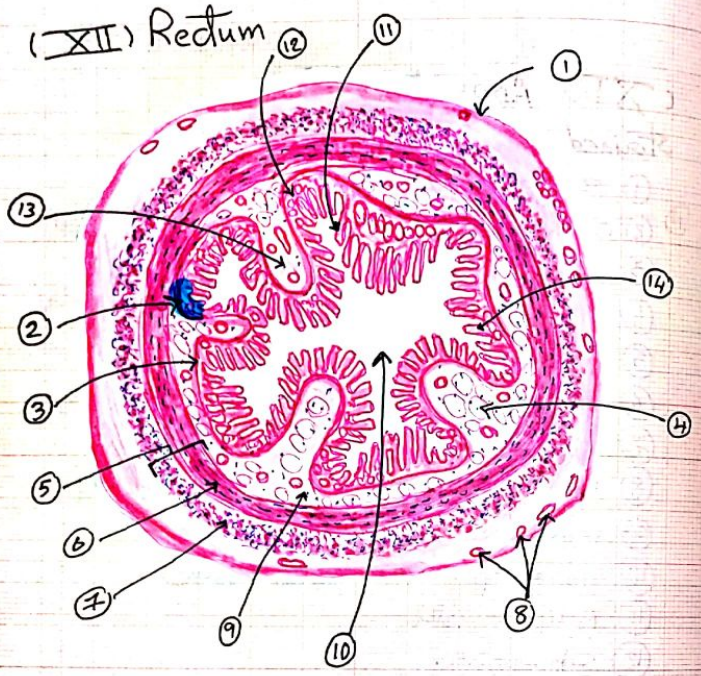
1. serosa
2. Outer longitudnal Layer
3. inner circular Layer
4. muscularis mucosae
5. Lymphatic nodule
6. diffuse Lymphatic tissue
7. gland
8. Blood vessels
9. Lamina propria
10. Lining Epi. with goblet cells
11. Adipose cells
12. sub mucosa.

الواجب: .....

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(XII) Rectum



التاريخ: / / 201م ..... موضوع الدرس:

(XII) Rectum
stained by H&E

1. Adventitia or serosa
2. Lymphatic nodule
3. Muscularis mucosae
4. Adipose cells
5. Muscularis externa
6. inner circular layer
7. outer longitudinal layer
8. Arteriole & venule
9. Submucosa
10. Lumen
11. Lining epi
12. intestinal glands
13. Longitudinal Fold
14. Lamina propria

الواجب: .....

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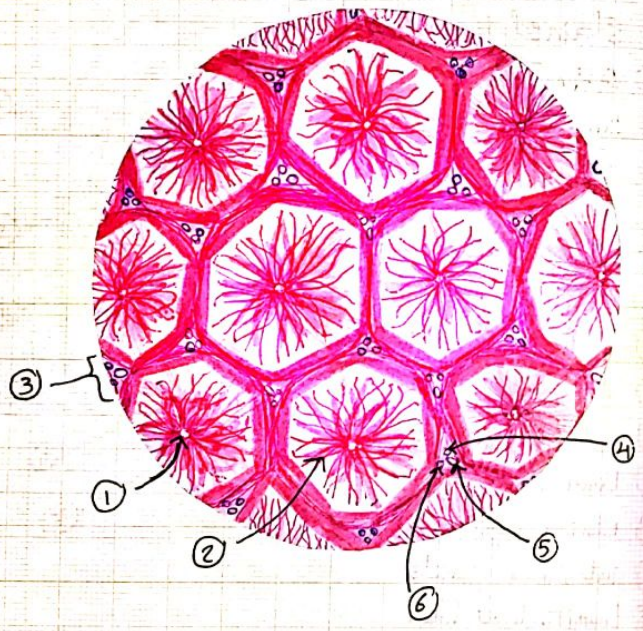
موضوع الدرس: ..... التاريخ: / / 201م

(XIII) Liver



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(XIII) Liver
stained by H & E

① central vein
② Hepatic sinusoid
③ portal area
④ hepatic artery
⑤ portal vein
⑥ Bile duct

الواجب: .....

الجيل الجديد

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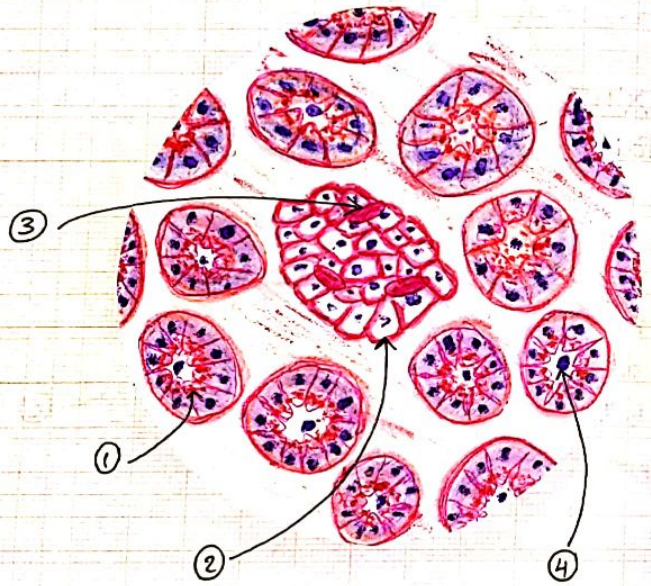
موضوع الدرس : ..... التاريخ : / / 201م

(XIV) Pancreas



موضوع الدرس : ..... التاريخ : / / 201م

(XIV) Pancrease
stained by H & E

1. Zymogen granules.
2. cells of pancreatic islet.
3. capilary.
4. Centro acinar cell in serous acinus.

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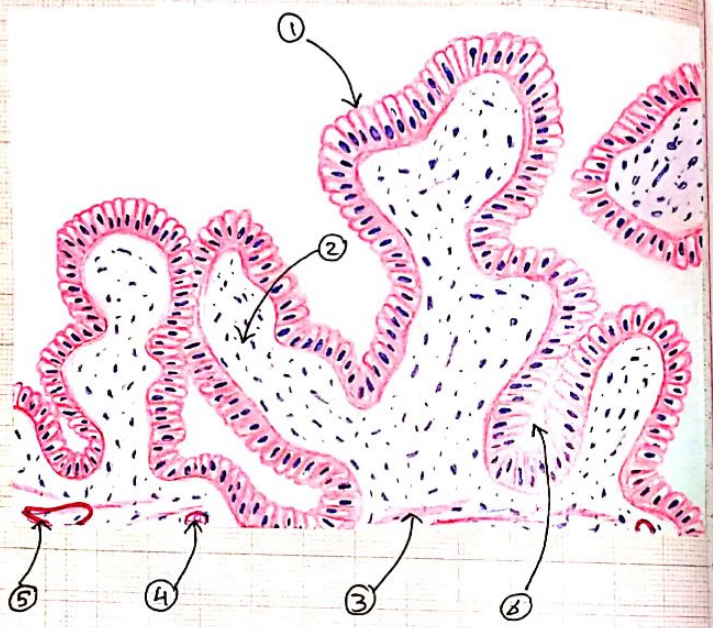
موضوع الدرس: ..... التاريخ: / / 201م

(XVI) Gall bladder



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(XVI) Gall Bladder
stained by H&E
① simple columnar epi.
② Lamina propria.
③ Elastic Fibers
④ Nerve
⑤ Arteriole
⑥ crypt

الواجب: .....

الجيل الجديد

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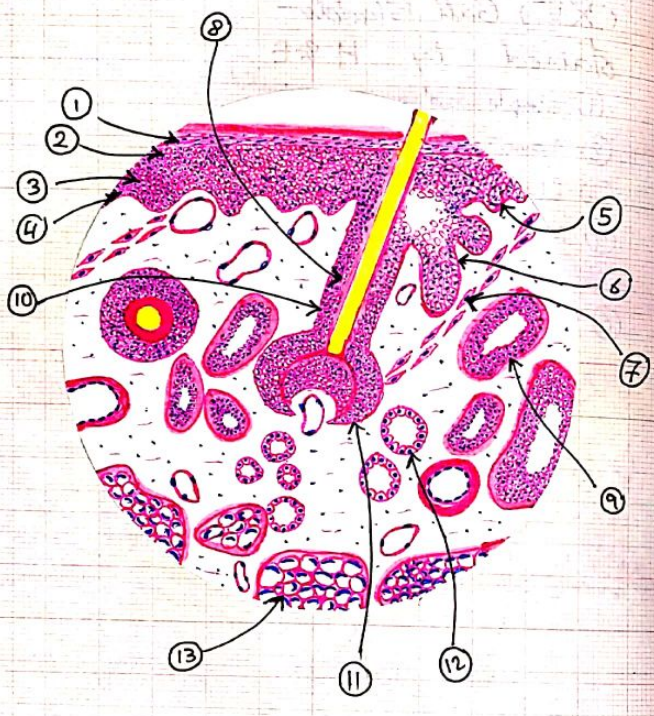
skin

التاريخ: / / 201م ..... موضوع الدرس: .....

(I) Thin skin.



الجيل الجديد

التاريخ: / / 201م ..... موضوع الدرس: .....

(I) Thin skin
stained by H & E

1. stratum corneum
2. stratum granulosum
3. stratum spinosum
4. stratum Basale
5. Basment membrane
6. sebaceous gland
7. dermectorpilli muscle
8. hair cortex
9. Duct
10. CT sheath
11. hair bulb
12. sweat gland
13. Adipose cells

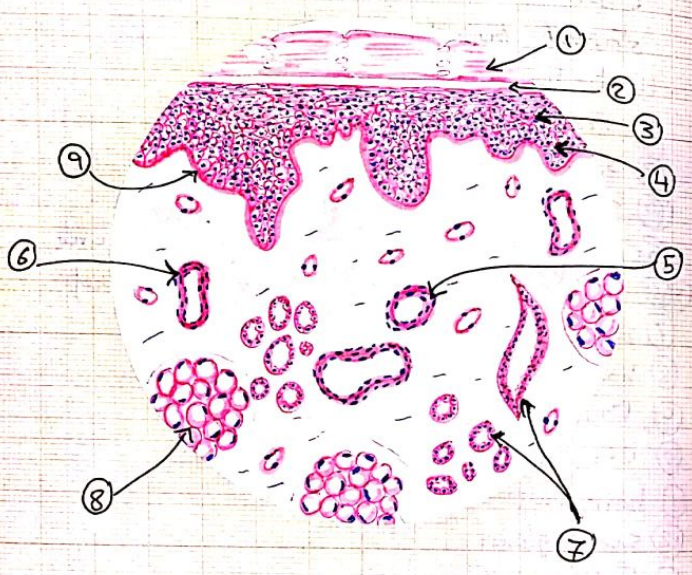
الواجب: .....

الجيل الجديد

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(II) Thick skin



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(II) Thick skin

stained by H & E

① stratum cornium.
② stratum lucidum.
③ stratum spinosum.
④ stratum Basal.
⑤ Artery.
⑥ vein.
⑦ sweat Gland.
⑧ Adipose Tissue.
⑨ Basment membrane.

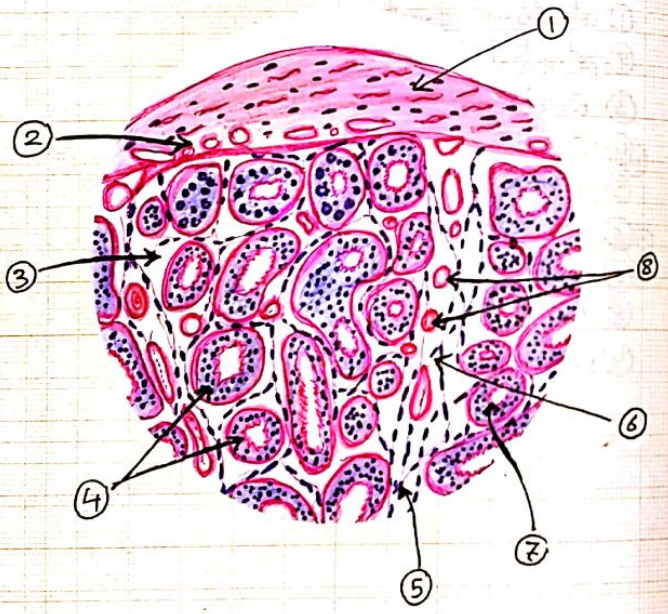
الواجب: .....

الجيل الجديد

Scanned by CamScanner

Male Reproductive System

(I) Testis

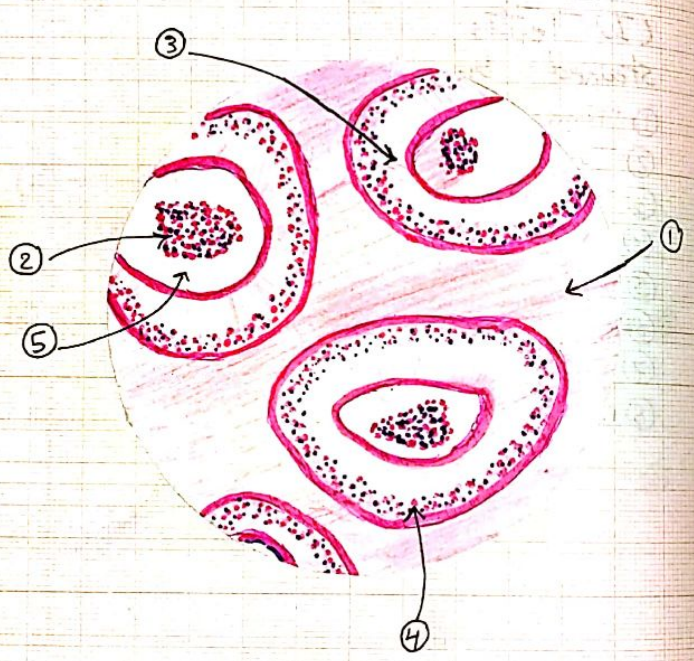


(I) Testis
stained by H & E

1. Tunica albuginea
2. Tunica vasculusa
3. Interstisial CoT
4. Semini Ferous Tubule
5. Lydge cells
6. Septa
7. Germinal Epi.
8. Blood vessels

موضوع الدرس: ..... التاريخ: / / 201م

(II) Ductus Epididymis



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(II) Ductus Epididymis stained by H & E

① Smooth muscle Fibers
② sperms
③ Principle cells
④ Pseudostratified Epi
⑤ stereocilia

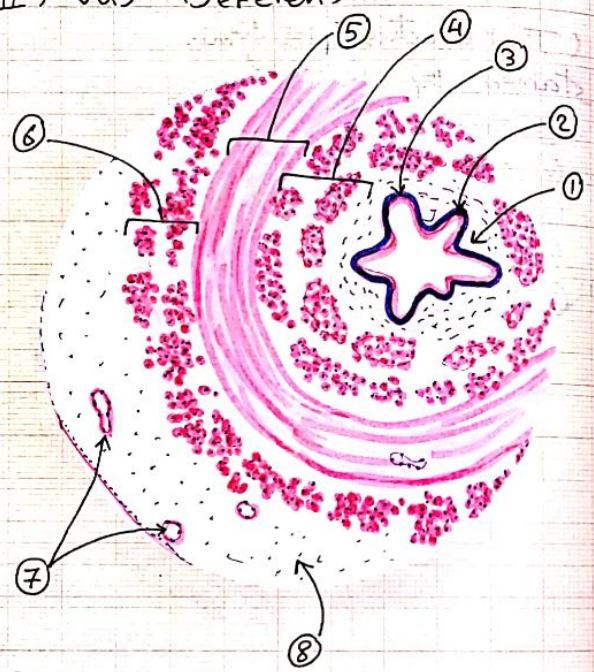
الواجب: .....

الجيل الجديد

Scanned by CamScanner

موضوع الدرس: ..... التاريخ: / / 201م

(III) Vas Deferens



الجيل الجديد

موضوع الدرس: ..... التاريخ: / / 201م

(III) Vas Deferens
stained by H & E

① lamina propria
② Pseudostratified columnar epi.
③ Longitudinal mucosal fold
④ Inner Longitudinal Muscle Layer
⑤ Middle circular muscle Layer
⑥ Outer Longitudinal muscle layer
⑦ Blood vessels
⑧ Adventitia

الواجب: .....

الجيل الجديد

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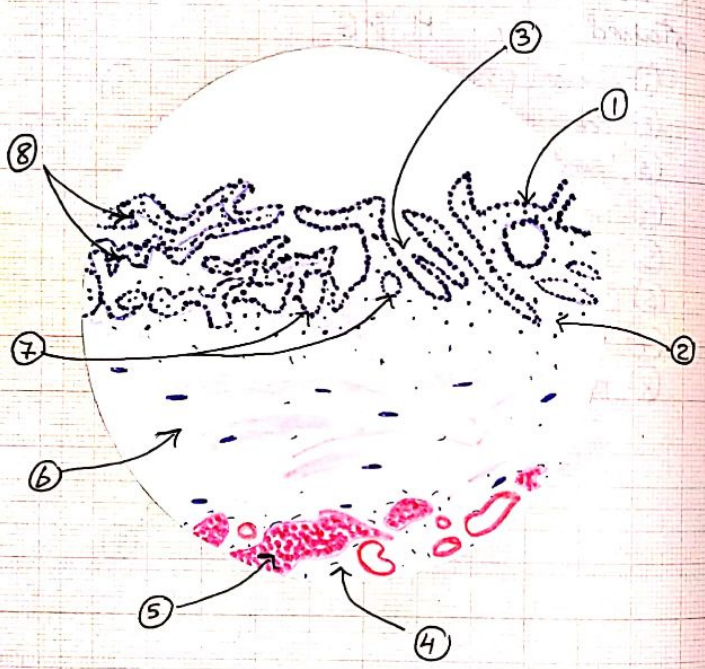
(IV) Seminal veside



(IV) seminal vesicle
stained by H & E

1. Epithelium
2. Lamina propria
3. Mucosal crypts
4. Adventitia
5. Outer longitudnal muscle layer
6. Inner circular layer
7. Secondy mucosal Folds
8. Primary " "

الواجب: .....

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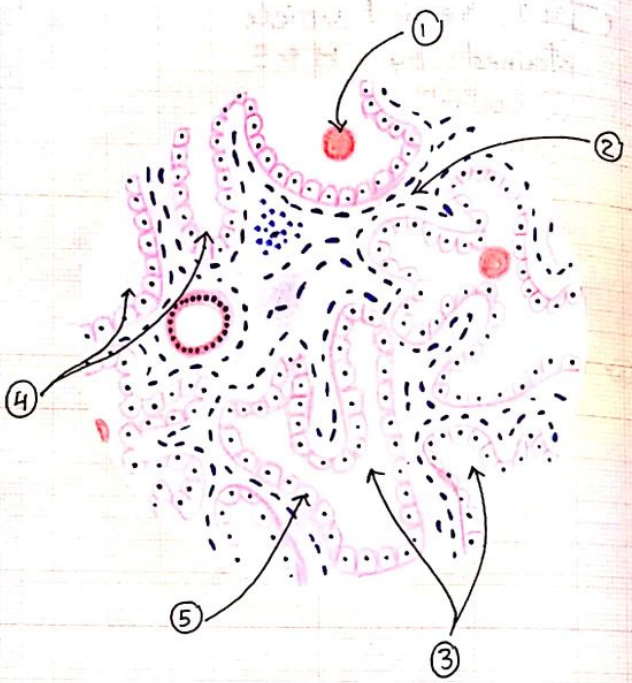
(V) Prostate



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(V) Prostate

stained by H & E

① prostate concbetion
② Fibromuscular stroma
③ Prostate secretion
④ Glandular acini
⑤ Glandular epi

الواجب: .....

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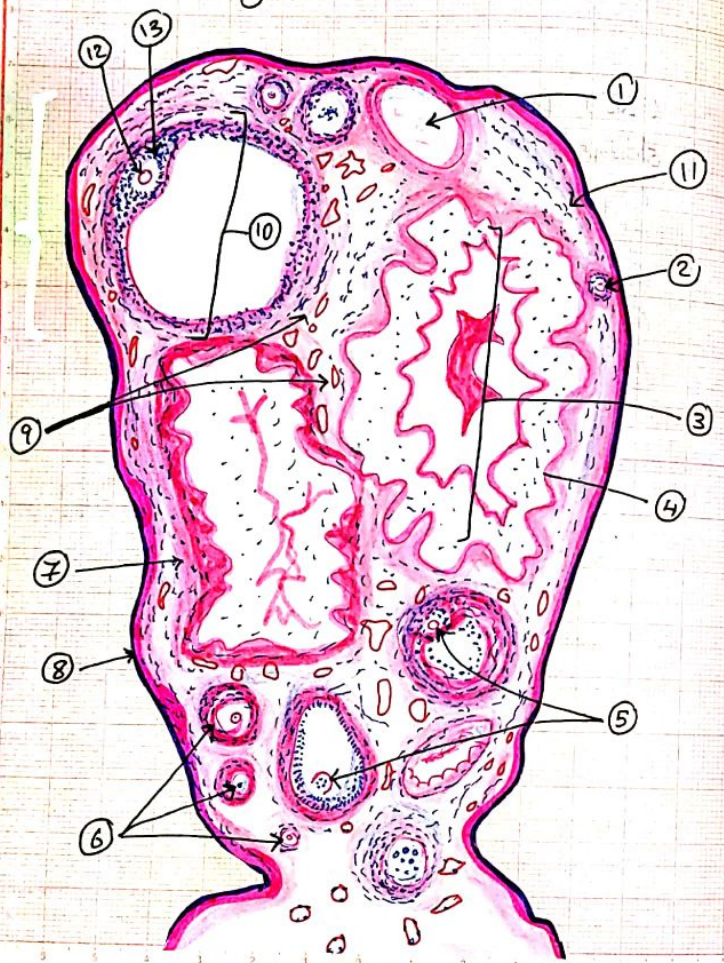
Female Reproductive System

(I) Ovary



(I) Ovary stained by H&E

1. Corpus albianus
2. Perimordial Follicle
3. Cora Luteami
4. Tanica lutean
5. Primary oocyte + secondary follicles
6. ~ ~ + Primary ~
7. Cortex
8. Germinal Epithelium.
9. Medulla with Blood vessels
10. mature follicle
11. Tunica albuginea
12. primary oocyte
13. corona radiata

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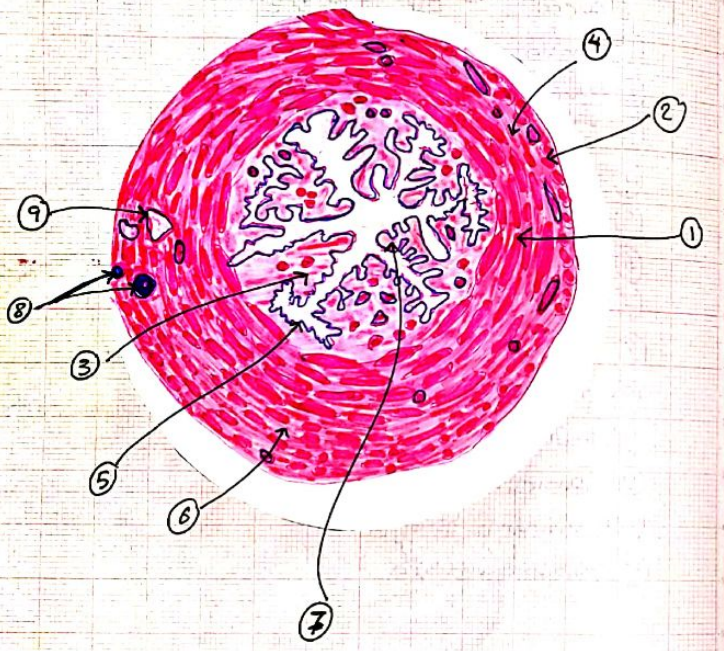
(II) Fallopian Tube



الجيل الجديد

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(II) Fallopian Tube
stained by H & E

1. circular muscle Fibers
2. Longitudnal ~ ~
3. Lamina propria
4. peritoneal mesothelium serosa
5. Epithelium
6. Interstitial CoT
7. ___ mucosal Fold
8. ___ Arteriol
9. venule

الواجب: .....

الجيل الجديد

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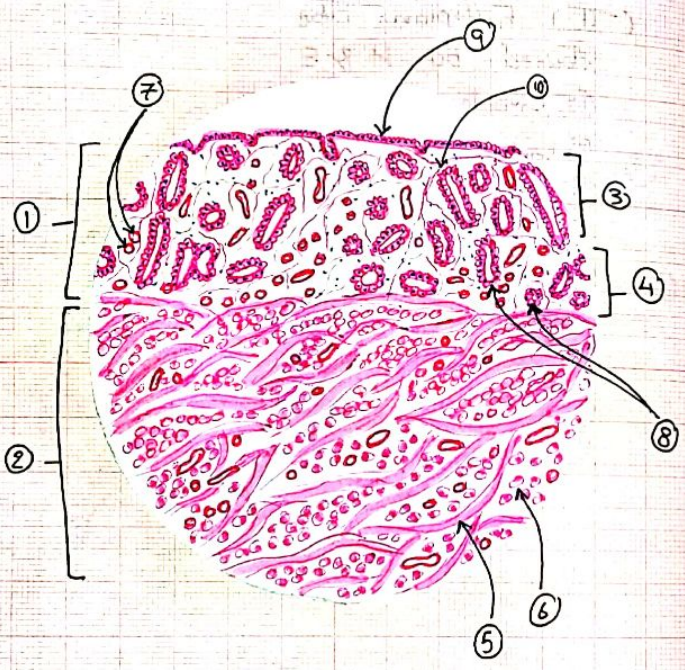
(III) Uterain Wall



(III) Uterain wall
stained by H & E

1. Endometrium
2. Myometrium
3. Functional layer
4. Basal layer
5. smooth muscle Fibers L.S
6. " " " T.S
7. Coiled arteries
8. uterain glands
9. Lining epithelium
10. Lamina propria

الواجب: .....

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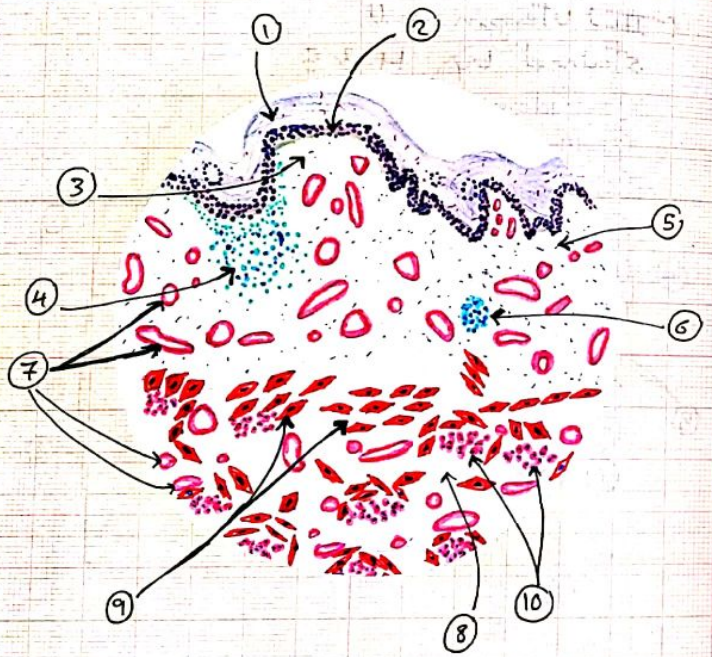
(IV) Vagina



(IV) Vagina
stained by H & E
1. Mucosal fold
2. Stratified squamous epi
3. C.T papillae
4. Lymphatic nodule
5. Lamina propria
6. Lymphatic tissue
7. Blood vessels
8. Interstitial CT
9. smooth muscle " Longitudinal bundles "
10. Smooth muscle " Transverse bundles "

الواجب: .....

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